

# Comparisons of Job Characteristics

**Focus Occupation:** [Signal and Track Switch Repairers \(49-9097\)](#)

**Associated Occupation:** [Rail-Track Laying and Maintenance Equipment Operators \(47-4061\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 61

**Focus Occupation:** Signal and Track Switch Repairers (49-9097)

**Associated Occupation:** Rail-Track Laying and Maintenance Equipment Operators (47-4061)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	12.1	14.8	>	Current knowledge level is likely sufficient
Building and Construction	4.0	10.7	4.9	<<	Extensive education and/or training may be required
Transportation	4.6	9.8	8.8	<	Expanded education and/or training may be required
Public Safety and Security	6.9	8.9	10.4	>	Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 81

**Focus Occupation:** Signal and Track Switch Repairers (49-9097)

**Associated Occupation:** Rail-Track Laying and Maintenance Equipment Operators (47-4061)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	11.2	11.9	0	Current skill level may be sufficient
Operation and Control	5.4	10.7	9.7	<	A higher skill level may be required
Repairing	3.4	10.2	13.6	>>	Skill level is likely more than sufficient
Quality Control Analysis	5.9	9.7	13.0	>>	Skill level is likely more than sufficient
Equipment Maintenance	3.5	9.5	13.7	>>	Skill level is likely more than sufficient
Troubleshooting	4.5	9.5	14.4	>>	Skill level is likely more than sufficient
Equipment Selection	3.3	7.2	10.2	>>	Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 77

Focus Occupation: Signal and Track Switch Repairers (49-9097)

Associated Occupation: Rail-Track Laying and Maintenance Equipment Operators (47-4061)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	12.8	11.1	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	12.2	11.0	<	Some improvement in abilities may be required
Reaction Time	4.8	11.5	9.6	<	Some improvement in abilities may be required
Static Strength	5.0	11.4	9.0	<	Some improvement in abilities may be required
Depth Perception	5.3	11.1	8.9	<	Some improvement in abilities may be required
Far Vision	7.8	11.1	11.6	0	Current ability level may be sufficient
Response Orientation	4.0	9.8	7.3	<<	Extensive improvement in abilities may be required
Dynamic Strength	3.5	9.0	5.7	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	8.9	6.2	<<	Extensive improvement in abilities may be required
Stamina	4.0	8.8	6.4	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	7.3	6.6	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

There are no common work activities.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Signal and Track Switch Repairers (49-9097)

Associated Occupation: Rail-Track Laying and Maintenance Equipment Operators (47-4061)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.